

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	728	(137/88).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/06/01 15:22
L2	101	(166/308.3,308.1,308.2,90.1,271,275,263,75.15,250.01.ccls. 175/217,218.ccls. 137/3,88.ccls. 507/922.ccls.) and (@pd>"20060106")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/01 15:24
L3	1	((centrifugal adj pump) and (sand near2 suspension) and fracture and concentration).clm.	US-PGPUB	OR	ON	2006/06/01 15:25
S1	64	(166/308.3).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/02/10 17:52
S2	814	(166/308.1).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/02/10 17:52
S3	275	(166/308.2).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/02/10 17:52
S4	276	(166/90.1).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/02/10 17:52
S5	445	(166/271).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/02/10 17:52
S6	1024	(166/275).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/02/10 17:52
S7	140	(166/263).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/02/10 17:52

## EAST Search History

S8	100	(166/75.15).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/02/10 17:52
S9	29211	centrifugal near2 pump	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/01 14:27
S10	1117	fracture adj (liquid fluid)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/02/10 16:51
S11	32	S9 and S10	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/02/10 17:05
S12	525	(166/250.01).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/02/10 17:52
S13	28	S11 and sand	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/02/10 16:52
S14	30827	centrifugal near3 pump	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/02/10 17:05
S15	32	S14 and S10	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/02/10 17:05
S16	21	("3256181").URPN.	USPAT	OR	ON	2005/02/10 17:28
S17	16	("3326536").URPN.	USPAT	OR	ON	2005/02/10 17:37
S18	12	("3256181"   "3417819"   "4453596"   "4569394"   "4780243"   "4829100"   "5095987"   "5501274"   "5501275"   "5515920").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/10 17:41
S19	4	("5799734").URPN.	USPAT	OR	ON	2005/02/10 17:48

## EAST Search History

S20	11	("2801218"   "2876839"   "3305016"   "3378074"   "3405062"   "3552494").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/10 17:48
S21	9	("3722595").URPN.	USPAT	OR	ON	2005/02/10 17:49
S22	23	("2838116"   "3281354"   "3323594"   "3408296"   "3516496"   "3844361"   "3986964"   "3988246"   "4025443"   "4098700"   "4109721"   "4140639"   "4549608"   "4621692"   "4817717"   "4887690"   "4979565"   "5054554").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/10 17:51
S23	7	("5325921").URPN.	USPAT	OR	ON	2005/02/10 18:02
S24	1605	pinch adj valve	USPAT	OR	ON	2005/02/10 18:02
S25	113	S24 and sand	USPAT	OR	ON	2005/02/10 18:02
S26	58	S25 and (slurry suspension)	USPAT	OR	ON	2005/02/10 18:02
S27	18	triplex near4 centrifugal	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/02/10 20:04
S28	24	triplex near7 centrifugal	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/02/10 20:04
S29	6	S28 not S27	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/02/10 20:05
S30	168	"166"/\$.ccls. and LAN	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/06/26 20:37
S31	0	S30 and (LAN near pump)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/06/26 20:34
S32	1	S30 and (LAN near4 pump)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/06/26 20:34

## EAST Search History

S33	3	S30 and (LAN with pump)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/06/26 20:35
S34	26	S30 and (LAN same pump)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/06/26 20:35
S35	29	"166"/\$.ccls. and (local adj area adj network)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/06/26 20:51
S36	55	(166/308.3,308.1,308.2,90.1,271,275,263,75.15,250.01).ccls. and (@pd>"20050210")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/01/06 18:43
S37	358	(175/217).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/01/05 20:23
S38	358	(175/218).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/01/05 20:23
S39	507	(137/3).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/01/05 20:23
S40	706	(507/922).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/01/05 20:23
S41	1872	S37 S38 S39 S40	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/01/05 20:24
S42	460	S41 and sand	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/01/05 20:24

## EAST Search History

S43	28	S42 and centrifugal	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/01/05 20:28 4
S44	13323	sand and centrifugal	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/01/05 20:28
S45	419	S44 and ("175"/\$.ccls. "137"/\$.ccls. "507"/\$.ccls.)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/01/05 20:29
S46	162	S45 and concentration	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/01/05 20:58
S47	8	mixing near5 sand near5 centrifugal	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/01/05 21:01
S48	10	mixing with sand with (centrifugal adj pump)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/31 22:28
S49	15	(US-20040094297-\$ or US-20050006089-\$).did. or (US-3722595-\$ or US-4681508-\$ or US-4829100-\$ or US-5325921-\$ or US-5441340-\$ or US-5799734-\$ or US-6168352-\$ or US-6306800-\$ or US-6659175-\$ or US-6715640-\$). did. or (US-3256181-\$ or US-3326536-\$).did. or (US-5904419-\$).did.	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2006/01/06 17:31
S50	26268	"1" and xanthan	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/01/06 17:32
S51	3	S49 and xanthan	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/01/06 17:32

## EAST Search History

S52	85	(166/308.3,308.1,308.2,90.1,271,275,263,75.15,250.01).ccls. and (@pd>"20050625")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/01 15:23
S53	16	(mixing same sand same (centrifugal adj pump)) and fracture	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/31 22:48
S54	0	((frac near pump) with centrifugal)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/31 22:48
S55	2	((frac near pump) same centrifugal)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/31 22:49
S56	2	((frac near2 pump) same centrifugal)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/31 22:49
S57	4	((fracture near2 pump) same centrifugal)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/31 22:50
S58	2	((fracture near3 pump) with centrifugal)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/31 22:50
S59	7	((fracture near3 pump) same centrifugal)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/31 22:51
S60	1234	((injection near3 pump) same centrifugal)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/31 22:51
S61	24	S60 and sand and (well\$bore well)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/31 22:52

## EAST Search History

S62	509	(137/3).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/06/01 15:22
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